

## WHAT IS CLAIMED IS:

1. An image processing apparatus comprising:
  - a display;
  - an image processing unit for subjecting an image supplied from an image data supply source to image processing based on image processing conditions;
  - a memory for storing at least one first reference image;
  - a registration unit for registering said at least one first reference image in the memory;
  - a display unit for selecting at least one second reference image from said at least one first reference image and displaying on said display said at least one second reference image together with a finished-state-predicting image of the image processed by said image processing unit; and
  - a first adjustment unit for adjusting said image processing conditions in said image processing unit by using said at least one second reference image displayed on said display and said finished-state-predicting image.
2. The image processing apparatus according to claim 1, further comprising a moving unit for moving said second reference image displayed on said display.
3. The image processing apparatus according to claim

1, further comprising at least one of a reference image enlargement/reduction unit for enlarging or reducing said second reference image and a reference image partial display unit for partially displaying said second reference image.

4. The image processing apparatus according to claim 1, further comprising an output unit for outputting said first reference image stored in said memory as a hard copy; and a second adjustment unit for adjusting color and density of said first reference image stored in said memory.

5. The image processing apparatus according to claim 1, wherein said registration unit registers a plurality of first reference images for each group corresponding to an image scene and said display unit displays said plurality of first reference images for said each group.

6. The image processing apparatus according to claim 1, wherein said image processing unit also processes said finished-state-predicting image by using image processing conditions of said first reference image registered in the memory.

7. The image processing apparatus according to claim 1, wherein a color and a density residual of a calibration of an output device to which the image processed in said

image processing unit is output are reflected on each of said first and second reference images.

8. The image processing apparatus according to claim 1, wherein an output device to which the image processed in said image processing unit is output and an output form used are selectable and said first adjustment unit modifies image processing conditions for said finished-state-predicting image in accordance with the output device and output form selected.

9. The image processing apparatus according to claim 1, wherein said registration unit registers image processing conditions for said finished-state-predicting image as image processing conditions for said first reference image.

10. The image processing apparatus according to claim 1, wherein said display unit displays said second reference image and said finished-state-predicting image in a partially overlapped state on said display and indicates by color or density a magnitude of at least one of a color difference and a difference in an image structure index between the second reference image and the finished-state-predicting image in the partially overlapped state.

11. The image processing apparatus according to

claim 1, further including a unit for designating specific regions in said second reference image and said finished-state-predicting image displayed on said display, wherein said display unit indicates by color or density a magnitude of at least one of a color difference and a difference in an image structure index between said designated regions.

12. The image processing apparatus according to claim 10, wherein said image structure index is a power spectrum.

13. The image processing apparatus according to claim 1, wherein said memory stores said first reference image by colorimetric values.

14. The image processing apparatus according to claim 13, wherein said colorimetric values are XYZ values in a CIE1931 standard colorimetric system or  $L^*a^*b^*$  values in a CIE1976 $L^*a^*b^*$  perceived color space.

15. The image processing apparatus according to claim 1, wherein said memory stores said first reference image by values on a standard color space.

16. The image processing apparatus according to claim 15, wherein said standard color space is a sRGB trichromatic system.